



## SEQUENCE LISTING

<110> Gottschalk, Ellen-Marie  
Gottschalk, Gerhard  
Schmitz-Streit, Ruth Anne  
Thormann, Kai

<120> NUCLEOTIDE SEQUENCE FOR CREATININE DEIMINASE AND  
METHOD OF USE

<130> 35635-94974

<140> 10/689,564

<141> 2003-10-20

<160> 2

<170> PatentIn Ver. 3.2

<210> 1

<211> 1593

<212> DNA

<213> Tissierella creatinini

<400> 1

```
ctggcattag tggtattggc tatagcaaca attttgtcaa taactgataa aaatacatta 60
acaaaagaaa aactgtaagc tattaacaat gctaaatttt taaggagtga ttttatgatg 120
aaaaagttta ttaatgcaaa gatttacaag aacaatgaag caacagaaat tttagtagaa 180
gacggtaaaa tcaaagagat tggtaataac ttagcagact gtaaagaagt aattgatcta 240
ggcggtaaaa tggttactcc accttatgta gatcctcacc tacattttaga ttatgtgtat 300
acattggctg aacttggaaa aactgggtgct ggctcaggaa ctctttttga agctattgaa 360
atgtggccag tatttaaaaa gactttaact gtagaaagcg ttaaaaaact tgctcttaag 420
gggggttatgg atgaggtttc ccaaggggta caacatattc gtacacatat agatgtaact 480
gatccaaaaa tcacaggtct aaaagctatg ttggaaatga aagaagaatt aaaggacata 540
gttgatatcc aaatagtatc attcccacaa caaggaatgt acacatataa ggggtggacgt 600
gaattagtag aagaagcact taagatgggt gcagatgttg ttggaggaat tccgcattat 660
gaaccagcta gagaatatgg tgaaatgtct gttaaagcca cagttgaact tgctatgaaa 720
tatgataagc taatagatgt tcaactgtgat gagacagatg atcctcaagc acgtttttatt 780
gagctattaa atgcacttgt ttatttggaa gggttatgggtg caaaaacttc agctagccat 840
acttgttcat ttggttcagc agatgattca tatgcatata gaatgataga cttattcaaa 900
aagagcaaga taaacttcac ctctaatacca actgaaaatg cgtatctaca aggccgcat 960
gacacttacc caaagcgtcg tggattgact agagttaaag aatttatgga gcatgggtatt 1020
aatgttgcac ttgcacaaga ttcaataaac gatccatggg atccaatggg taacggaaat 1080
atgatgaata tacttgacaa tggaaattcat ttagctcaaa taatgtcacc acaagatata 1140
gaaaaagatt tagatttaat tacctacaat ggtgctcggt gcctaaatat ccaagataaa 1200
tatttattag aagtaggtaa agattcaaac tttatcgttc ttaacggaga cagccattc 1260
gatgtaataa gaaaccgtgc taatgttctt gcttgtgtta gaaaaggaga attctattta 1320
agcaaaaacc agtagaatat gatgtaaaac ttgatttagg cgtaaaatat taatatttta 1380
aaataaattc caaattaacc ccccggtggg gtaataaact ccatcggggg gttttttgtg 1440
ttccagtaga aaataaaaaa atgatataaa aatttagtag tttgaaaaac ttaaataaaag 1500
aaagggcgga tttagaatga gtcaaagaga cgtattatat tcaccagatg caaagtacaa 1560
agataataag ggtaaatatg gaattgattt agg 1593
```

<210> 2

<211> 406

<212> PRT

<213> Tissierella creatinini

&lt;400&gt; 2

Met	Met	Lys	Lys	Phe	Ile	Asn	Ala	Lys	Ile	Tyr	Lys	Asn	Asn	Glu	Ala
1				5					10					15	
Thr	Glu	Ile	Leu	Val	Glu	Asp	Gly	Lys	Ile	Lys	Glu	Ile	Gly	Asn	Asn
			20					25					30		
Leu	Ala	Asp	Cys	Lys	Glu	Val	Ile	Asp	Leu	Gly	Gly	Lys	Met	Val	Thr
		35					40					45			
Pro	Pro	Tyr	Val	Asp	Pro	His	Leu	His	Leu	Asp	Tyr	Val	Tyr	Thr	Leu
	50					55					60				
Ala	Glu	Leu	Gly	Lys	Thr	Gly	Ala	Gly	Ser	Gly	Thr	Leu	Phe	Glu	Ala
65					70					75					80
Ile	Glu	Met	Trp	Pro	Val	Phe	Lys	Lys	Thr	Leu	Thr	Val	Glu	Ser	Val
				85					90					95	
Lys	Lys	Leu	Ala	Leu	Lys	Gly	Val	Met	Asp	Glu	Val	Ser	Gln	Gly	Val
			100					105					110		
Gln	His	Ile	Arg	Thr	His	Ile	Asp	Val	Thr	Asp	Pro	Lys	Phe	Thr	Gly
		115					120					125			
Leu	Lys	Ala	Met	Leu	Glu	Met	Lys	Glu	Glu	Leu	Lys	Asp	Ile	Val	Asp
		130				135					140				
Ile	Gln	Ile	Val	Ser	Phe	Pro	Gln	Gln	Gly	Met	Tyr	Thr	Tyr	Lys	Gly
145					150					155					160
Gly	Arg	Glu	Leu	Val	Glu	Glu	Ala	Leu	Lys	Met	Gly	Ala	Asp	Val	Val
				165					170					175	
Gly	Gly	Ile	Pro	His	Tyr	Glu	Pro	Ala	Arg	Glu	Tyr	Gly	Glu	Met	Ser
			180					185					190		
Val	Lys	Ala	Thr	Val	Glu	Leu	Ala	Met	Lys	Tyr	Asp	Lys	Leu	Ile	Asp
		195					200					205			
Val	His	Cys	Asp	Glu	Thr	Asp	Asp	Pro	Gln	Ala	Arg	Phe	Ile	Glu	Leu
		210				215					220				
Leu	Asn	Ala	Leu	Val	Tyr	Leu	Glu	Gly	Tyr	Gly	Ala	Lys	Thr	Ser	Ala
225					230					235					240
Ser	His	Thr	Cys	Ser	Phe	Gly	Ser	Ala	Asp	Asp	Ser	Tyr	Ala	Tyr	Arg
				245					250					255	
Met	Ile	Asp	Leu	Phe	Lys	Lys	Ser	Lys	Ile	Asn	Phe	Ile	Ser	Asn	Pro
			260					265					270		
Thr	Glu	Asn	Ala	Tyr	Leu	Gln	Gly	Arg	His	Asp	Thr	Tyr	Pro	Lys	Arg
			275				280					285			
Arg	Gly	Leu	Thr	Arg	Val	Lys	Glu	Phe	Met	Glu	His	Gly	Ile	Asn	Val
						295					300				

